SBI CLERK PHASE - I MOCK TEST-41 (SOLUTION)

REASONING

1. (4) In the expression $A > B \geq C = D \leq E = F$ to make

   $A > D$ true and F C true.

2. (4) Both the expressions are true in option (4)

3. (5) It is clear that P is husband of R. If he establish that T is either son or daughter of S, then P would be son-in law of S.

   T + S means T is daughter of S.

   T ÷ S means T is son of S.

(4-8) :

Name	Days	Telecom Company
A	Saturday	Uninor
B	Wednesday	Vodaphone
C	Wednesday	BSNL
D	Friday	MTNL
E	Friday	Airtel
F	Tuesday	Idea
H	Saturday	Realince

4. (1)	5. (4)	6. (2)
7. (2)	8. (1)	9. (2)
10. (1)	11. (5)	12. (2)
13. (1)		

Solutions (14-18) :

Input : 89 who root 19 46 near drink link gold 61 23 under 71 97

Step I : 19 89 who root 46 near link gold 61 23 under 71 97 drink

Step II : 23 19 89 who root 46 near link 61 under 71 97 drink gold

Step III : 46 23 19 89 who root near 61 under 71 97 drink gold link

Step IV : 61 46 23 19 89 who root under 71 97 drink gold link near

Step V : 71 61 46 23 19 89 who under 97 drink gold link near root

Step VI : 89 71 61 46 23 19 who 97 drink gold link near root under

Step VII : 97 89 71 61 46 23 19 drink gold link near root under who

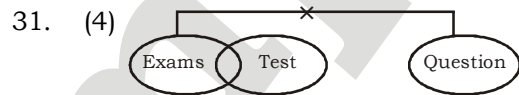|		
14. (5)	15. (4)	16. (2)
17. (3)	18. (3)	

(19-22) :

19. (4)	20. (2)	21. (2)
22. (4)	23. (2)	24. (2)
25. (2)		

(26-30) :

Room No.	Color	Person
11	Pink	E or C and S
22	Blue	U or Q and T
33	Black	E or C and P
44	Green	U or Q and R
55	White	F,D
66	Yellow	A,B

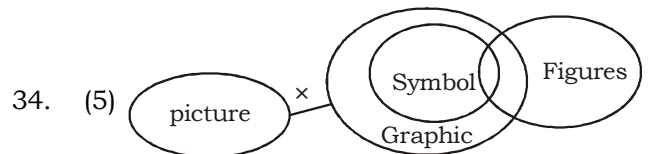|		
26. (4)	27. (4)	28. (3)
29. (5)	30. (2)	

31. (4)

I. ×   II. ×

32. (1)

I. ✔   II. ×

33. (5)

I. ✔   II. ✔

34. (5)

I. ✔   II. ✔

35. (2)
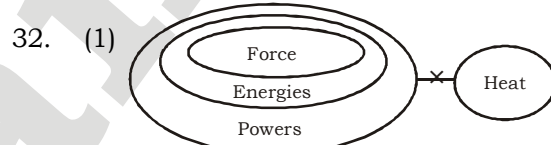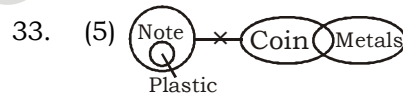
I. ×   II. ✔

Maths

36. (1) $? = \dfrac{6255.22}{18.5 \times 21.4} = 15.8$

37. (2) $? = \dfrac{1.5 \times 78}{0.5} = 234$

38. (4) $? = 302.46 + 395.72 - 123.47$
    $= 698.18 - 123.47 = 574.71$

39. (3) $\sqrt[3]{?} = \sqrt[3]{4096} \div \sqrt[3]{64}$
    $= \sqrt[3]{16 \times 16 \times 16} \div \sqrt[3]{4 \times 4 \times 4}$
    $= 16 \div 4 = 4$
    $\Rightarrow ? = 4 \times 4 \times 4 = 64$

40. (4) $\dfrac{800 \times ?}{100} = 293 - \dfrac{750 \times 22}{100}$
    $\Rightarrow 8 \times ? = 293 - 165 = 128$
    $\Rightarrow ? = \dfrac{128}{8} = 16$

41. (4) The series is based on the following pattern.
    $11 = 2 \times 3 + 5$
    $38 = 11 \times 4 - 6$
    $197 = 38 \times 5 + 7$
    $1172 \ne 197 \times 6 - 8$
    $\therefore$ 1172 is wrong and it should be replaced by $197 \times 6 - 8 = 1174$

42. (1) The series is based on the following pattern :
    $107 - 71 = 36 = 6^2$
    $71 - 46 = 25 = 5^2$
    $46 - 30 = 16 = 4^2$
    $30 - 21 = 9 = 3^2$
    $21 - 19 = 2 \ne 2^2$
    $\therefore$ 19 should be replaced by 17 for which $21 - 17 = 2^2$

43. (4) The series is based on the following pattern :
    $16 = 9 + 7$
    $25 = 16 + 9$
    $41 = 16 + 25$
    $68 \ne 25 + 41$

44. (3) The series is based on the following pattern :

    4 2 [3.5] 7.5 26.25 118.125
    (×0.5, ×1.5, ×2.5, ×3.5, ×4.5)

    Obviously, 3.5 is the wrong number which should be replaced by 3.

45. (2) The series is based on the following pattern :

    16 4 2 1.5 [1.75] 1.875
    (×0.25, ×0.5, ×0.75, ×1, ×1.25)

    Obviously, 1.75 is the wrong number which should be replaced by 1.5.

46. (4) Suppose the initial weight of the stone $= 6x$ kg.

Thus, its price would be $k(6x)^2$ rupees. The total price of those three stone - pieces $= k[(1x)^2 + (2x)^2 + (3x)^2]$
$= 14kx^2$ rupees

Now, loss occured after being cut $= 36kx^2 - 14kx^2 = 22kx^2$

Now, acording to question,
₹ $5184 = 36kx^2$

$\Rightarrow 1kx^2 = \dfrac{5184}{36} = ₹\,144$

$\Rightarrow 22kx^2 = 144 \times 22 = ₹3168$

47. (4) Suppose capacity of the tank $= 24$ litre. Thus, Efficiency of A $= 3$ litre/hour and B $= 4$ litre/hour

    After 2 hour, amount of water in tank $= 2 \times (4 + 3) = 14$ litre.

    Now, Amount of water to be filled $= 24 - 14 = 10$ litre.

    Thus, Total time required by B to fill the tank $= \dfrac{10}{4} = 2.5$ hours.

48. (2) The rate interest accrued on the sum
    $= \dfrac{700}{5000} \times 100 = 14\%$

    Thus, required simple interest
    $= 7000 \times \dfrac{170}{100} = ₹11,900$

49. (4) Required ratio $= \dfrac{6.4}{21.6}$

    $\Rightarrow \dfrac{v_1}{v_2} = \dfrac{6.4}{21.6}$

    $\Rightarrow \dfrac{\frac{2}{3}p(r_1)^3}{\frac{2}{3}p(r_2)^3} = \dfrac{8}{27}$

    $\Rightarrow \left(\dfrac{r_1}{r_2}\right)^3 = \left(\dfrac{2}{3}\right)^3 \Rightarrow r_1 : r_2 = 2 : 3$

50. (4) Total age of all 4 boys $= 4 \times 9 = 36$ yrs.
    Now, at present would be $(36 + 5 \times 4)$ yrs.
    Again,
    Total age of all five boys at present $= 15 \times 5 = 75$ yrs.
    Thus, age of new boy $= 75 - 56 = 19$ yrs.

51. (3) $? = \dfrac{150}{17} \times \dfrac{199}{12} \times \dfrac{91}{16}$
    $\approx \dfrac{150}{15} \times \dfrac{200}{15} \times \dfrac{90}{15} \approx 770$

52. (1) $? \approx 151 - 420 + 650 \approx 381$
    $\therefore$ Required answer $= 380$

53. (1) $? \approx \dfrac{1300}{20} \times 25 + 400$

$\approx 1625 + 400 \approx 2025$

54. (4) $? \approx \dfrac{30 \times 500}{100} + \dfrac{40 \times 800}{100}$

$\approx 150 + 320 \approx 470$

55. (4) $? \approx 15^2 - 7^2 + 5^3$

$\approx 225 - 49 + 125 \approx 301$

☐ Required answer = 300

56. (2) I. $x^2 + 5x + 6 = 0$

þ $x = -3$ or -2

II. $y^2 + 7y + 12 = 0$

þ $y = -4, -3$

57. (3) I. $x^2 - 9x + 20 = 0$

þ $x = 5, 4$

II. $y^2 - 13y + 42 = 0$

þ $y = 6, 7$

58. (3) $2x + 3y = 14$ ...(I)

$4x + 2y = 16$ ...(II)

By equation (I) × 2 – equation II,

$4x + 6y - 4x - 2y = 28 - 16$

þ $4y = 12$ þ $y = 3$

From equation I,

$2x + 3 \times 3 = 14$

þ $2x = 14 - 9 = 5$ þ $x = \dfrac{5}{2}$

59. (5) I. $x = \sqrt{625} = \pm 25$

II. $y = \sqrt{676} = \pm 26$

60. (3) I. $x^2 + 4x + 4 = 0$

$(x + 2)^2 = 0$ þ $x = -2$

II. $y^2 - 8y + 16 = 0$

þ $(y - 4)^2 = 0$

þ $y = 4$

61. (2) From statement II,

$M_1D_1 = M_2D_2$

þ $8 \times 12 = 5 \times D2$

þ $D_2 = \dfrac{8 \times 12}{5} = \dfrac{96}{5}$

$= 19\dfrac{1}{5}$ days

62. (5) From statement II,

If the present age of Shyam be x year then

Ram's present age = $(x + 7)$ years then

From statement I,

$\dfrac{x + 7}{x} = \dfrac{4}{3}$

þ $4x = 3x + 21$

þ $x = 21$

☐ Shyam's age after 6 years = 21 + 6 = 27 years

63. (4) Data from both the statements are inadequate.

64. (5) From statements I and II, simple interest

$= ₹ \left(\dfrac{5000 \times 3 \times 5}{100} + \dfrac{5000 \times 3 \times 8}{100} \right)$

$= ₹ (750 + 1200) = ₹ 1950$

65. (1) From statement I,

Required C.P.

$= ₹ (4 \times 85 + 3 \times 50)$

$= ₹ (340 + 150) = ₹ 490$

66. (1) $\dfrac{2040 \times 20}{100} : \dfrac{1450 \times 20}{100} = 204 : 145$

67. (5) $\dfrac{1450 \times \dfrac{12}{100}}{\dfrac{2040 \times [25 + 10]}{100}} \times 100 = 24\%$

68. (3) $\dfrac{2040 \times 35}{100} - \dfrac{1450 \times 44}{100} = 76$

69. (2) $\dfrac{2040 \times 55}{100} + \dfrac{1450 \times 26}{100}$

$= 1122 + 377$

$= 1499$

70. (4) $\dfrac{\dfrac{1450 \times 14}{100}}{\dfrac{2040 \times 15}{100}} \times 100 \approx 66\%$

ENGLISH LANGUAGE

96. (2) It should be - "page after page".

97. (4) It should be 'burst into tears'.

98. (2) It should be – 'avail myself of'.

99. (3) Replace 'is' with 'are'

100. (5)

CORRECTION :

Q. No. 98 : Read 'his opportunity' as 'this opportunity'.

VOCABULARIES

Words	Meaning in English	Meaning in Hindi
Perceptible	Great enough for you to notice it	प्रत्यक्ष
Bound to be	Certain or likely to be something	बाध्य
Slumber	A sleep	नींद
Bewilderment	A feeling of being completely confused	हैरानी
Jolt	A sudden strong feeling, especially of shock or surprise	आघात
Have one's hands tied	Be unable to act freely.	असमर्थ, मजबूर
Percolate	To gradually become known or spread through a group or society.	प्रसारित हो जाना, फैलना
Harmony	A state of peaceful existence and agreement	समन्वय, सामंजस्य
Resolution	The act of solving or settling a problem, disagreement, etc.	संकल्प, समाधान
Readily	In a way that shows you do not object to something	सहजता से
Avowedly	By open declaration	स्पष्ट रूप से
Fiddle	Violin, a musical instrument with strings	वायलिन
Uproot	Destroy completely, as if down to the roots	जड़ से उखाड़ डालना
Emancipate	To free somebody, especially from legal, political or social restrictions.	स्वतंत्र करना
Paradox	A person, thing or situation that has two opposite features and therefore seems strange.	विरोधाभासी
Upward	Moving towards a higher social position.	ऊंचे की ओर
Assertion	A statement saying that you strongly believe something to be true.	कथन

SBI CLERK PHASE - I MOCK TEST - 41 (ANSWER KEY)

1. (4)	26. (4)	51. (3)	76. (3)
2. (4)	27. (4)	52. (1)	77. (3)
3. (5)	28. (3)	53. (1)	78. (1)
4. (1)	29. (5)	54. (4)	79. (1)
5. (4)	30. (2)	55. (4)	80. (4)
6. (2)	31. (4)	56. (2)	81. (2)
7. (2)	32. (1)	57. (3)	82. (2)
8. (1)	33. (5)	58. (3)	83. (5)
9. (2)	34. (5)	59. (5)	84. (3)
10. (1)	35. (2)	60. (3)	85. (3)
11. (5)	36. (1)	61. (2)	86. (1)
12. (2)	37. (2)	62. (5)	87. (3)
13. (1)	38. (4)	63. (4)	88. (2)
14. (5)	39. (3)	64. (5)	89. (5)
15. (4)	40. (4)	65. (1)	90. (4)
16. (2)	41. (4)	66. (1)	91. (5)
17. (3)	42. (1)	67. (5)	92. (1)
18. (3)	43. (4)	68. (3)	93. (3)
19. (4)	44. (3)	69. (2)	94. (2)
20. (2)	45. (2)	70. (4)	95. (4)
21. (2)	46. (4)	71. (2)	96. (2)
22. (4)	47. (4)	72. (1)	97. (4)
23. (2)	48. (2)	73. (2)	98. (2)
24. (2)	49. (4)	74. (3)	99. (3)
25. (2)	50. (4)	75. (2)	100. (5)

Note:- If you face any problem regarding result or marks scored, please contact 9313111777

Note:- If your opinion differs regarding any answer, please message the mock test and question number to 8860330003